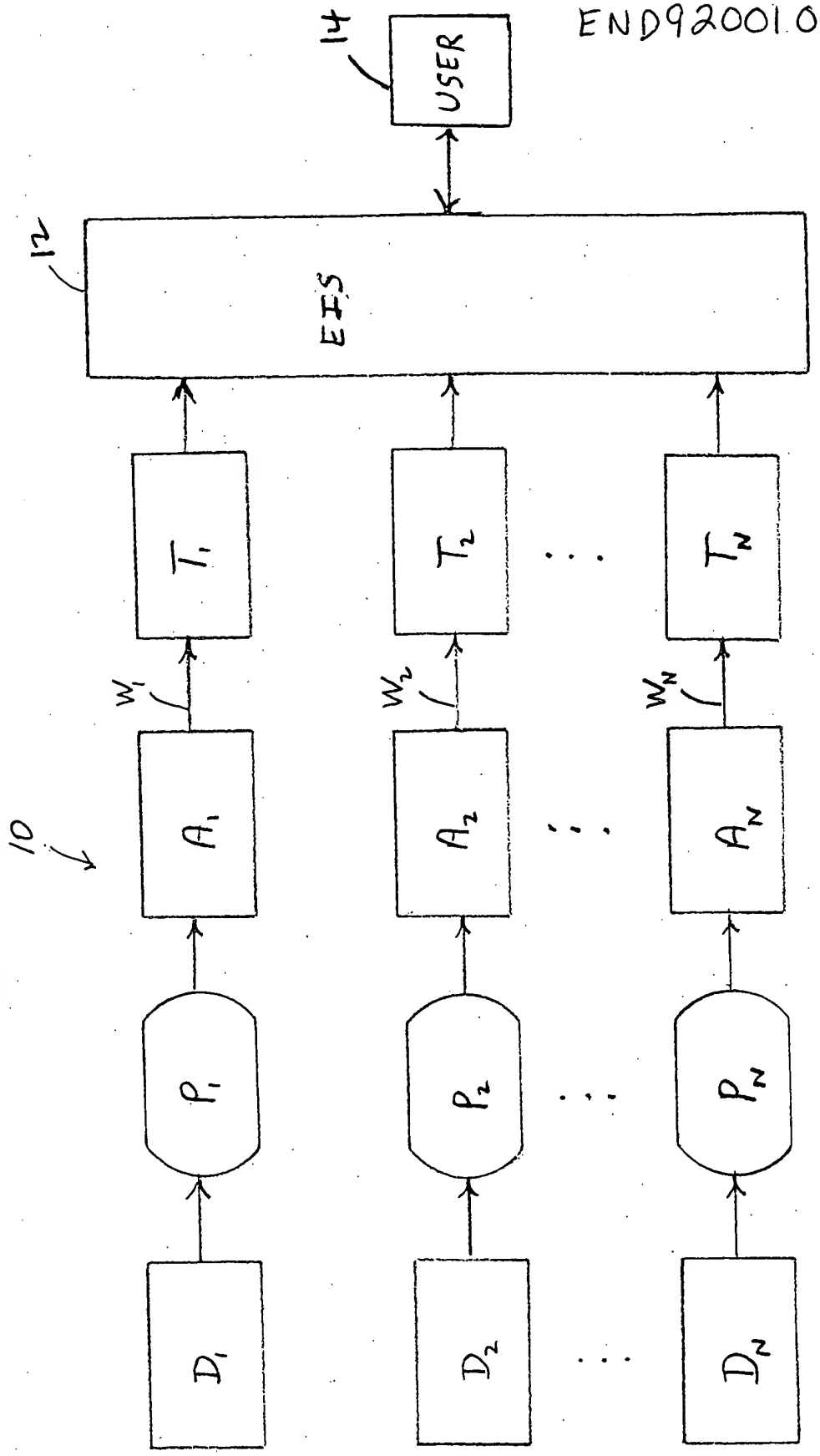

FIG. 1

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FIG. 2. Illustration of Select Records of a Dataset

Record 1	*
Record 2	*
Record 3	
Record 4	
Record 5	*
Record 6	*
Record 7	*
Record 8	
Record 9	*
Record 10	
Record 11	
Record 12	
Record 13	*
Record 14	*
Record 15	

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FIG. 3. Table of Raw Data

Purchase Order No.	Vendor	Division	Color	Buyer
1	A	300	white	64
2	B	200	blue	26
3	B	100	blue	20
4	C	100	white	21
5	C	300	blue	33
6	B	300	blue	10
7	B	200	blue	45
8	A	100	white	38
9	C	300	blue	98
10	B	200	white	56
11	A	300	white	23
12	C	100	blue	51
13	A	200	blue	19
14	A	200	white	46
15	B	300	blue	88
16	C	100	white	27
17	C	300	blue	15
18	B	300	blue	93
19	B	200	white	60
20	B	100	white	72
21	A	200	white	57
22	C	100	blue	35

FIG. 4. Table of FIG. 3 As Sorted

Purchase Order No.	Vendor	Division	Color	Buyer
12	C	100	blue	51
3	B	100	blue	20
22	C	100	blue	35
4	C	100	white	21
16	C	100	white	27
20	B	100	white	72
8	A	100	white	38
13	A	200	blue	19
2	B	200	blue	26
7	B	200	blue	45
19	B	200	white	60
14	A	200	white	46
21	A	200	white	57
10	B	200	white	56
9	C	300	blue	98
18	B	300	blue	93
5	C	300	blue	33
6	B	300	blue	10
17	C	300	blue	15
15	B	300	blue	88
1	A	300	white	64
11	A	300	white	23

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FIG. 5. Table of FIG. 4 As Rolled Up

Vendor	Division	Color	Quantity
C	100	blue	3
C	100	white	4
A	200	blue	3
B	200	white	4
C	300	blue	6
A	300	white	2

FIG 6. Fields of an Exemplary Aspect Containing Blocked Invoices

Field Name	Brief Description	Data Type	SAP Field Name	Source
MANDT	Client	CLNT 003	MANDT	T000
RECTY	Record type	CHAR 001	CFRECTY	
VERSO	Version	NUMC 002	CFVERSO	T242V
YEARB	Fiscal year	NUMC 004	CFYEARB	
PERDE	Period	NUMC 003	CFPERDE	
COMCOD	Company code	CHAR 004	BUKRS	T001
ZCOMM	Commodity	CHAR 009	ZCOMM	ZEISC
ZMAJR	Major Requestor	CHAR 002	ZMAJR	
DYSRF	Number of Days	CHAR 003	RKCG_DYSRF	T271H
KNTTP	Acct.assgt.cat.	CHAR 001	KNTTP	T163K
ASAP	asap indicator	CHAR 001	RKCG_ASAP	T2719
ZORIG	Origin	CHAR 003	ZORIG	
ZVEND	Vendor	CHAR 017	ZVEND	ZEISV
ZVNAM	Vendor name	CHAR 032	ZVNAM	
VALTY	Value type	CHAR 001	CFVALTY	T242W
RECNR	Record number	NUMC 008	CFRECNR	
AEDTM	Changed on	DATS 008	CFAEDTM	
UNAME	User name	CHAR 012	CFUNAME	
PINTR	Reference	NUMC 008	CFPINTR	
SUPSG	supplier segment	CHAR 004	RKCG_SUPSG	T2715
ITMAC	quantity item accts	QUAN 008	RKCG_ITMAC	
ITMAC_UNIT	Unit	UNIT 003	RKCG_UNIT	T006
ZTDYS	total days	QUAN 008	RKCG_ZTDYS	
ZTDYS_UNIT	Unit	UNIT 003	RKCG_UNIT	T006

FIG. 7. Detailed Description of the Fields of FIG. 6

Field Name	Detailed Description
MANDT	Client - IBM SAP Instance Number - field automatically populated through EIS; source system leaves blank
RECTY	Record type - Assigned by EIS, source system leaves blank; all of our EIS applications insert '0' into this field indicating the record contains numerous data values (as opposed to '1' saying this is a text description record)
VERSO	Version - 01 or 02, records coming from source contain '01'
YEARB	Fiscal year - Year from the end date off the control card used to strip the data from the source
PERDE	Period - Month from the end date on the control card
COMCOD	Company code - Number assigned to identify different IBM locations (ie. '0147' represents US)
ZCOMM	Commodity - Also known as Material Group id; the commodity code from the source system (commodity codes are a standard set of codes representing the different materials being handled)
ZMAJR	Major Requestor - aka division code; uniquely identifies the individual IBM business unit (ie. 07 represents Global Services, 42 is Micro Electronics)
DYSRF	Number of Days - number of days the invoice has been blocked (in referral); carried as characteristic for EIS (in CHAR format)
KNTTP	Acct.assgt. cat. - aka resale flag; indicates whether the material is internal or resale
ASAP	asap indicator - aka buyerless flag; indicates the purchase order (material) has not been handled by a buyer but has entered the system through an automated process
ZORIG	Origin - Location of where the data has come from (ie. from BDW would be 001, from SAP US would be 003)
ZVEND	Vendor - Vendor id, number uniquely identifying the vendor to IBM
ZVNAM	Vendor name - the vendor name associated with the vendor number
VALTY	Value type - assigned by EIS source systems pass in as a constant; values represented: 0=actual data, 1=planning data, 2=target data
RECNR	Record number - EIS assigned; used internally by the EIS system
AEDTM	Changed on - EIS populated; last date the record was touched
UNAME	User name - EIS populated with the last user touching the record
PINTR	Reference - EIS assigned and used internally to the EIS system
SUPSG	Supplier segment - IBM standard code for purchasing organization
ITMAC	quantity item accts - number of item accounts on this invoice
ITMAC_UNIT	Unit - Unit of measure for the item account (ie. piece,carton)
ZTDYS	total days - key figure, used for queries and reporting, showing actual days in referral and carried as a fixed decimal field
ZTDYS_UNIT	Unit - Populated by EIS for internal use

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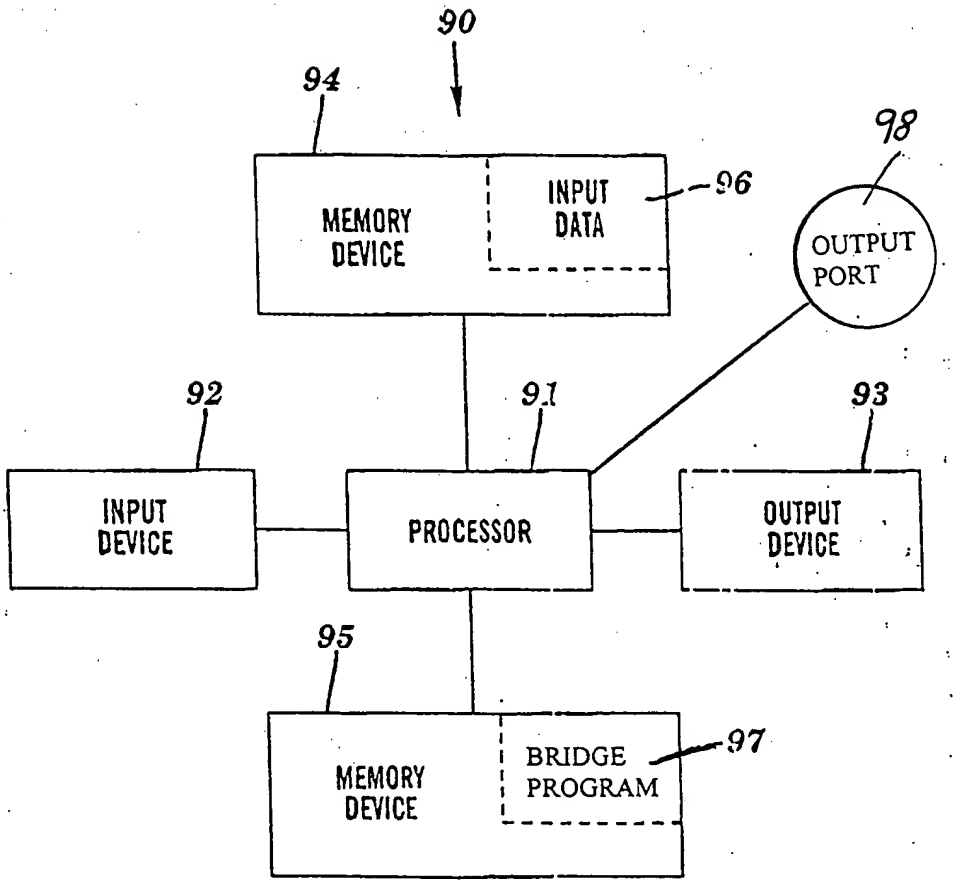

FIG. 8